

# California Department of Transportation

## Storm Water Management Program

### Regional Work Plan 2005/2006



#### District 8

**COLORADO RIVER BASIN  
Region 7**

**Water Quality Control Board**

**CTSW-RT-05-132-16.1**

**April 1, 2005**




**CALIFORNIA DEPARTMENT  
OF TRANSPORTATION  
DISTRICT 8**

**Certification  
Regional Work Plan 2005/2006**

**California Regional Water  
Quality Control Board  
Colorado River Basin Region**

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

  
\_\_\_\_\_  
Anne Mayer, District Director

  
\_\_\_\_\_  
Date

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### 1.0 INTRODUCTION

The purpose of the Regional Work Plan (RWP) is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on District 8 facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

### 2.0 DISTRICT PERSONNEL AND RESPONSIBILITIES

Portions of the Department District 8 fall within the jurisdiction of the Colorado River Basin RWQCB (coverage area). Organization charts for District 8 are included in Figures 2-1. Staff responsible for implementing the SWMP within the Colorado River Basin RWQCB jurisdiction are listed in Table 2-1.

**TABLE 2-1: THE DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES**

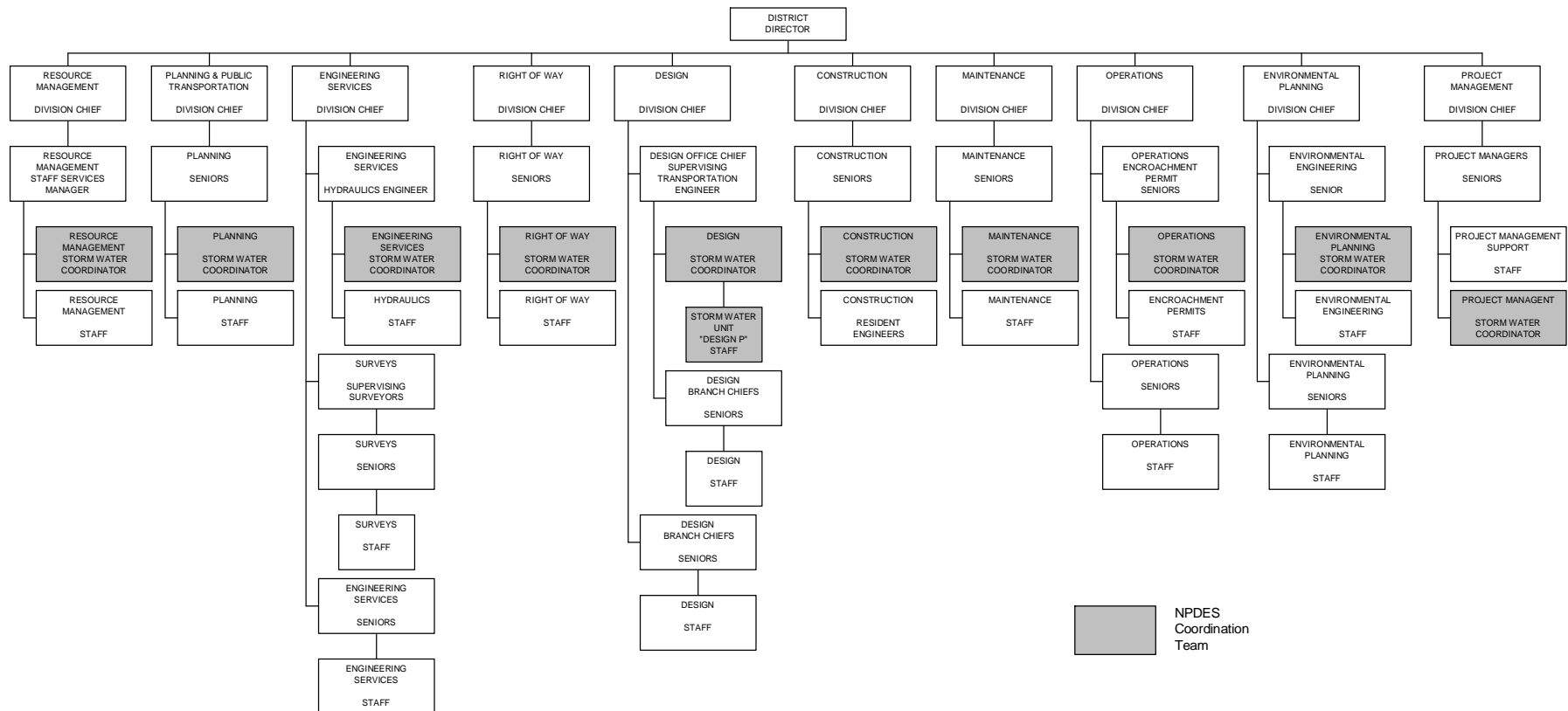
Staff	Title	Phone Number	E-Mail Address	Responsibilities
Paul Lambert	NPDES Storm Water Coordinator, Design Storm Water Coordinator	(909) 383-4948	Paul_Lambert@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the Districts.
Walt Griffith	Construction Storm Water Coordinator	(909) 514-2402	Walt_Griffith@dot.ca.gov	Conducts inspections to assist the RE in ensuring that storm water controls are implemented on construction sites and to assist the RE s in reviewing SWPPPs/WPCPs
Jim Dodd	Maintenance Storm Water Coordinator	(909) 383-4703	Jim_Dodd@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the District SWMP
Roy King	Engineering Services Storm Water Coordinator	(909) 383-6478	Roy_king @dot.ca.gov	Primary contact for Hydraulic-related storm water issues.
<b>Mohammad Mollazadeh</b>	Project Management Storm Water Coordinator	(909) 383-6230	<b>Mohammad_Mollazadeh@dot.ca.gov</b>	Primary contact for Project Management-related storm water issues.
Melvin Mendez	Operations Storm Water Coordinator	(909)383-7975	Melvin_Mendez@dot.ca.gov	Primary contact for Operations-related storm water issues.
Michael Yarbrough	Right of Way Storm Water Coordinator	(909) 383-4581	Michael_Yarbrough@dot.ca.gov	Primary contact for Right of Way-related storm water issues.
Rosanna Roa	Environmental Planning Storm Water Coordinator	(909) 383-5917	Rosanna_Roa@dot.ca.gov	Primary contact for Environmental Planning-related storm water issues.
Hortensia Irigoyen	Planning Storm Water Coordinator	(909) 383-6391	Hortensia_Irigoyen @dot.ca.gov	Primary contact for Transportation Planning-related storm water issues.
Ivy Estrada	Resource Management Storm Water Coordinator	(909)383-7969	Ivy_estrada@dot.ca.gov	Primary contact for Resource Management-related storm water issues.

In compliance with Permit Section M.10.b, the following [individuals/positions] listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the SWRCB or the RWQCB(s).

**TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS**

<b>Positions</b>	<b>Documents Authorized for Signature</b>
District Director	All
District NPDES Storm Water Coordinator	All District storm water related documents except Annual Report Certification
Design Senior Engineer	NOC
Construction Senior or Resident Engineer	SWPPP approval, NOCC, NOC
Maintenance Senior	Maintenance activity reports
Maintenance Superintendent	Maintenance activity reports

**FIGURE 2-1: ORGANIZATION STRUCTURE OF DISTRICT 8 STORM WATER PROGRAM**



### 3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and RWQCB jurisdiction. A list of The Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 8 boundaries within the Colorado River Basin RWQCB, and major roads and highways are presented on Figure 3-1: District 8 Facilities and Waterbodies.

**TABLE 3-1: DISTRICT 8 FACILITIES**

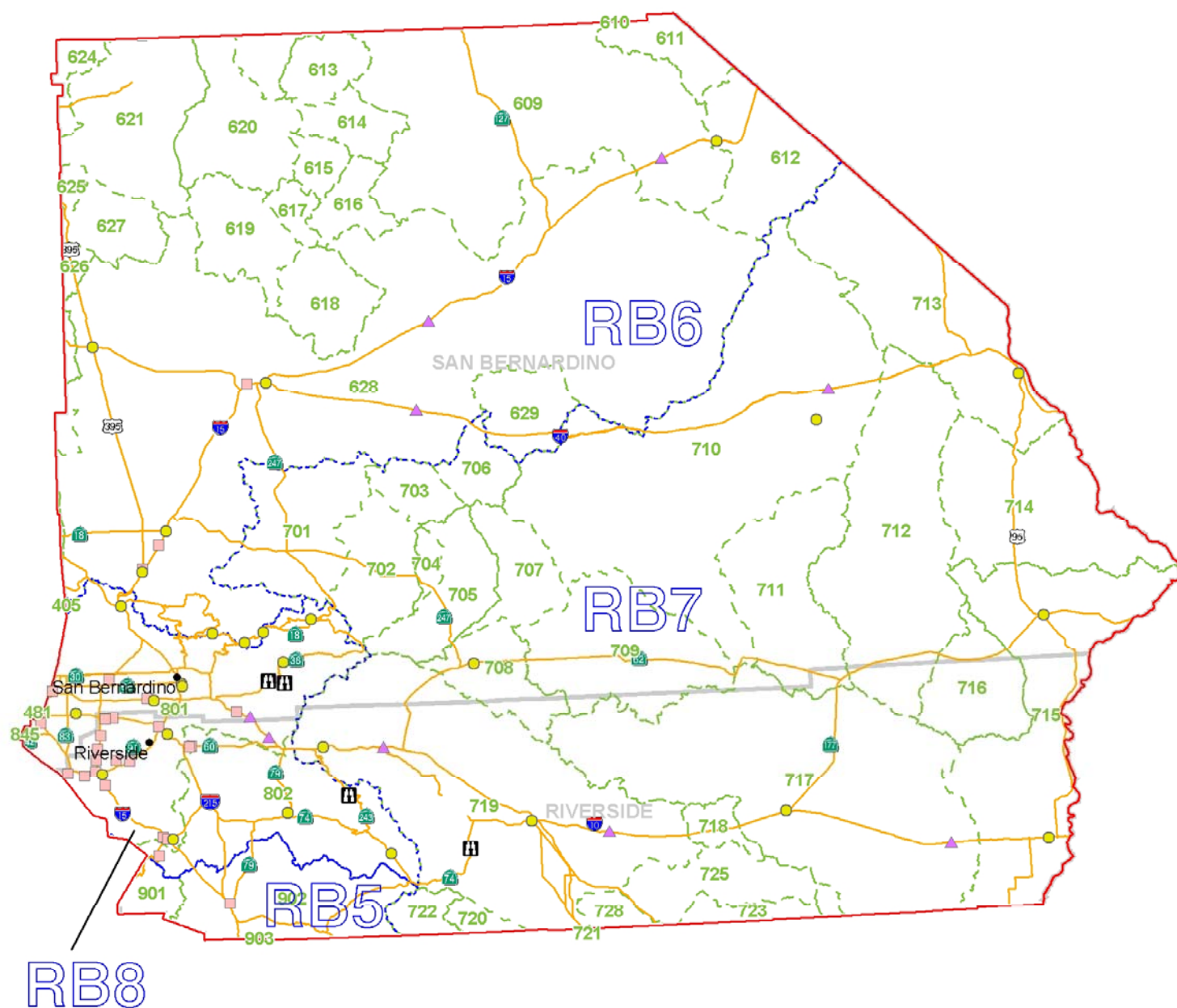
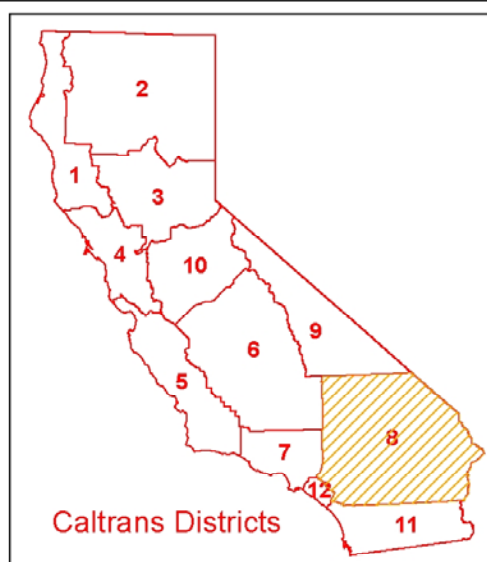
CO	Route	PM	Name	Comments
<b>Maintenance Stations</b>				
RIV	86	2.8	Indio	Land & Maint.
RIV	10	104.5	Desert Center	Maintenance
RIV	10	152.6	Blythe	Land & Maint.
RIV	10	14.6	Banning	Land & Maint.
RIV	62	125.8	Vidal Junction	Maintenance
SBd	62	15.1	Paradise Valley	Maintenance
SBd	40	99.7	Essex	Maintenance
SBd	40	143.7	Needles	Land & Maint.
<b>Vista Points</b>				
RIV	74	87.6	Coachella Valley	
<b>Commercial Vehicle Enforcement Facilities</b>				
RIV	10	R15.8	Deserts Hills	WB
RIV	10	R15.9	Deserts Hills	EB
RIV	10	R144.49	Blythe	WB
<b>Roadside Rest Areas</b>				
SBd	40	R106.0	Wilkie at Fenner	EE
SBd	40	R106.1	Wilkie at Fenner	WW
SBd	10	R72.0	Cactus City	EE
SBd	10	R72.1	Cactus City	WW
RIV	10	26.2	Whitewater	EE
RIV	10	26.2	Whitewater	WW
RIV	10	R135.0	Wiley's Well	EW
<b>Park and Ride Facilities</b>				
None				
<b>Sand and Salt Staging Areas</b>				
None				
<b>Snow Storage Sites</b>				
None				
<b>Toll Road and Bridge Plazas</b>				
None				



Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- Vista
- Department Facility
- Department Boundary
- RWQCB Boundary
- Hydrologic Unit
- County Boundary

RB5 Central Valley Region  
RB6 Lahontan Region  
RB7 Colorado River Basin Region  
RB8 Santa Ana Region



**Figure 3-1**  
**District 8 RWQCB and H.U. Boundaries**

**4.0 HIGH RISK AREAS**

No high-risk areas have been identified in District 8 within the Region. High-risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from the Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

**TABLE 4-1: HIGH RISK AREAS**

<b>Road Segment/Facility</b>	<b>County</b>	<b>High Risk Area</b>	<b>Description</b>	<b>Comments</b>
None				

**5.0 IMPLEMENTATION ACTIVITIES**

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when major maintenance activities are initiated during the year.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acre of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and The Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are with a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1 and Table 5-2.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

# SECTION FIVE

## Regional Work Plans

**TABLE 5-1: DISTRICT 8 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE**

SWMP** Category	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Development Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
A	0A570	SBD	062	142.6	Install scour monitoring device	Colorado River	401				
B	37870	SBD	062	142.3- 142.9	Replace bridge (bridge scour project)	Colorado River	DSA 401, HR	8/2002	7/2003	4/2004	7/2005
B	45600	RIV	010	42.6- 43.9	Construct bob hope dr extension with a new diamond interchange	None	DSA	07/02	05/03	7/2003	7/2005
A	0A650	RIV	010	18.0- 18.8	Construct new interchange		DSA	12/2003	2/2005	8/2005	12/2007
A	0A030	RIV	010	44.5- 56.6	Add one lane in each direction	None	DSA				
	40320	SBD	018	73.7- 84.3	Construct 2.4 m shoulders with same structural section as mainline, realign horizontal curve and construct 2 km of passing lanes		DSA	9/1/2004	6/1/2005	3/1/2006	12/1/2006
B	45570	RIV	010	35.7- 36.6	Modify Interchange	None	DSA	03/05	08/05	12/06	03/08

**TABLE 5-1 LEGEND**

\* Criteria

DSA	=	Disturbed Soil Area is greater than 5 acres.
303d	=	303 (d) listed water body within project limits and affected by project
401	=	401 Certification/Waiver required
SEP	=	Supplemental Environmental Project
Retro	=	Storm Water Retrofit Project (SWMP 4.4.2)
HR	=	Project limits within High Risk Area
RB	=	RWQCB designated project as a potential threat to water quality

\*\* SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

**TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES**

Major Roadway Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria (2)	Start Date	Completion Date
None							
Maintenance Facility and Activity Inspections							
For the year Desert Center, Indio, Paradise Valley, Blythe, Essex, Needles, Banning, and Vidal Junction Maintenance Facilities will be inspected							
Various maintenance activities will be inspected, they include paving, crack sealing, and shoulder backing							
Maintenance Facility BMP Improvements							
Additional Storage buildings have been purchased for Maint. Facilities, Stock-pile have has run-off BMP's put in place, new technology is being explored							
Maintenance BMP Actions/Modifications							
Review FPPP at Maintenance Facilities. Determine its effectiveness. If there are deficiencies within the FPPP, then Maintenance will propose modifications for the following year.							
Improve BMPs at Vactor sites and stock pile locations							
Improve BMP's at Material Storage areas. New buildings have been purchased for covered storage.							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> <li>• Type of chemical to be applied</li> <li>• Applications locations, widths, total acres applied, frequency, amount totals</li> <li>• Reason for application</li> </ul>							

**TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES**

Vegetated Slope Evaluation					
County	Route	PM	Inspection Schedule	Remediation Action Planned	
Riv	62	0-9.24	05/06		
Riv	74	0-96.02	05/06		
Riv	78	0-16.21	05/06		
Riv	86	0-22.9	05/06		
Riv	95	0-36.2	05/06		
Riv	111	0-40.71	05/06		
Riv	111	47.22-63.37	05/06		
Riv	177	0-27.02	05/06		
Riv	195	0-7.42	05/06		
Riv	243	0-29.7	05/06		
Riv	371	56.4-77.15	05/06		

### TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
- DSA = Disturbed Soil Area is greater than 5 acres.
  - 303d = 303 (d) listed water body within project limits and affected by project
  - 401 = 401 Certification/Waiver required
  - SEP = Supplemental Environmental Project
  - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
  - HR = Project limits within High Risk Area
  - RB = RWQCB designated project as a potential threat to water quality



**TABLE 5-3: GENERAL MANAGEMENT PRACTICES**

<b>Monitoring Activities</b>
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 04/05.
<b>Construction Compliance Monitoring Program</b>
Construction activities are inspected through the Construction Compliance Monitoring Program (CCMP), which monitors about 20% of the Construction activities. Monitoring results are then presented in the annual report. In addition to the CCMP, the District Construction Division conducts its own internal audits of all the construction sites. These audits "rate" the performance of the construction sites in the same format as the CCMP.
<b>Training and Public Outreach</b>
1. Training will be provided to Project Planners and Designers on the following topics: Procedures of the Project Planning and Design Guide (PPDG), Permanent Erosion Control, Temporary Erosion Control, Storm Water Data Report Preparation, and the design of Treatment BMPs.
2. Training is an ongoing process for maintenance. All crews are shown the videos of (Storm Water Quality Training For Maintenance) Course # G31430. The Storm Water Coordinator gives training as needed to all maintenance crews regarding BMP's and environmental concerns. Field Supervisors train, review and document BMPs used on maintenance activities at facilities and in the field for maintenance employees. Storm water training is also given in conjunction with Hazmat training. Additional training will be provided as the new maintenance guidelines are completed. Supervisors and Superintendents receive additional Storm Water training at one of the training sessions at the Maintenance Academy in Kingvale. Maintenance Public Affair Officers distribute Storm Water literature provided from Headquarters' Environmental Section at various Maintenance functions, job fairs, Southern Equipment Rodeo, open houses, Route 66 Rendezvous, etc.
3. Training is an ongoing process for the Construction Division. All construction field office personnel have been through a 6 hr training class, "Storm Water Control on Construction Projects" /#G0C017. All construction field office Seniors and Resident Engineers are also to attend a "Storm Water Control on Construction Projects Management" this class is currently being scheduled. For new employees and those who were unable to attend the original classes there will be additional classes scheduled. The District Construction Division also conducts mini training sessions in the Districts field offices and provides assistance reviews in the same fashion as the CCMP.
District Storm Water Unit staff will again participate in the Environmental Expo, to be held at Cal State San Bernardino. Staff from the District Storm Water Unit will demonstrate the effects of all-too-common activities (excessive pesticide and fertilizer use, dumping used motor oil in stormdrains, poor erosion control practice, etc) on non-point source storm water pollution using the District's Enviroscope watershed model. Handouts describing the Department' Storm Water Program will be distributed.
The District Storm Water Unit will also demonstrate the Enviroscope watershed model as part of the District's "Bring your Child to Work Day." The model will be displayed for children of District employees between the ages of 6 and 16.
The District Storm Water Unit, with the assistance of the District Public Affairs Unit, will seek out additional public information opportunities at County Fairs, schools, and other public events.

<b>TABLE 5-3: GENERAL MANAGEMENT PRACTICES</b>
<b>Municipal Coordination</b>
District Storm Water Unit staff will participate in monthly coordination meetings of the Coachella Valley MS4 Co-Permitees